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Besides the above, the plant also produces a great number of fine chemicals, alkaloids (Chinoin is one of the world's largest producers of papaverine), vitamins, and hormones.(1)

The plant also produces acidum acetylosalicylicum tbl 0.5 g; acidum phenylaethylbarb. tbl 0.015 g; acidum phenylaethylbarb. tbl 0.1 g; acidum phenylaethylbarb. tbl 0.3 g; allylbarbamidum tbl F. N.; amidazophen tbl 0.10 g; amidazophen tbl 0.3 g; barbamid tbl 0.4 g; Chlorogenium tbl 1 g; demalgon tbl; Deseptyl tbl 0.40; Domatrin inj; Domatrin tbl; Domatrin inj. mite; Domopon inj.; Domopon tbl; ephedrin hydrochlor tbl 0.05 g; Ephrit tbl; Fungaronal tbl; Istopyrin tbl 0.5 g; Istopyrin tbl 1 g; natrium sal. tbl 0.5 g; natrium sal. alkali-solvens. tbl; neomagnol tbl; Neotroparin inj.; Novurit inj.; Novurit supp.; opium conc. inj. 2%; opium conc. 4%; opium conc. c. homatropinum tbl; opium conc. tbl 0.01 g; opium conc. tbl 0.02 g; papaverin hydrochloric. inj. 4%; papaverin hydrochlor. tbl 0.04 g; P. a. b. sulfamid tbl 0.4 g.

Also, phenolphthalein tbl 0.2 g; Perparin inj.; phenolphthalein tbl 0.5 g; Purgo tbl (bed patients); Purgo tbl forte; papaverinum comb. tbl; Purgo baby tbl; Purgo chocolate 0.2 g; Purgo chocolate 0.5 g; Sevenaletta tbl; Transpulmin inj.; Troparin tbl; Troparin combinatum tbl; Ultraseptyl inj. 20%; Ultraseptyl kup.; Ultraseptyl tbl; Ultraseptyl B tbl.(2)

Gedeon Richter

Established in 1901, this plant has become one of the best-known pharmaceutical houses of central Europe. There are departments of biological and pharmaceutical research, chemical laboratories, and a section to study the therapeutically active principles of plants. The most modern methods of manufacture are used in this factory. The efficacy of Gedeon Richter products is recognized by international medical and pharmaceutical publications. The factory has made great progress since the end of World War II and the construction of new installations has permitted the production of a long list of very important preparations.

Products: Only the most recent hormones and organotherapeutic preparations are listed here: Glandutrine (standardized extract of the posterior lobe of the hypophysis); Syntestrine (propionate of diethylstilbene); Glanducorpine (synthetic hormone of the corpus luteum); Glanduantine-Ch (gonadatropic hormone of the chorion); Perhepar (standardized liver extract with proteins removed); and Thrombofort (isolated thrombin, local coagulant) which is the latest Richter preparation.

Other pharmaceutical specialties of Richter include Ergam (the total alkaloids of barley ergot), Bellafite (the total alkaloids isolated from belladonna, with a high hyoscyamine content), and Atriphos (sodium adenosinetriphosphate.)(1)

Also, acidum diaethylbarbituricum tbl 0.5 g; adrenalin inj. 0.1%; adrenalin inj. 0.1%; burow tbl; calcimusc. inj.; calcium acetylosalicylicum tbl 0.5 g; calcium chlorat. inj. 10%; calcium gluconicum inj. 10%; chininum hydrochloricum tbl 0.15 g; chininum hydrochloricum tbl 0.25 g; chininum sulfuricum tbl 0.10 g; chininum hydrochloricum tbl 0.50 g; chininum sulfuricum tbl 0.25 g; chininum sulfuricum tbl 0.5 g; codeinum hydrochloricum tbl 0.01 g; codein hydrochloricum tbl 0.02 g; codein hydrochloricum tbl 0.03 g; Coerulamin dgr. tbl; coff. natr. benz. inj. 10%; coff. natr. benz. inj. 20%; dextrose inj. 10%; dextrose inj. 20%; dextrose inj. 40%; Dolor tbl; Etovaletta tbl; glycerin supp. 2 g; glycerin supp. 3 g; glycerin supp. 5 g; Haemorrhoidalia supp; hexamethylentetramine tbl 0.5 g;

Also, hyperol tbl; ichtyol globulus 3 g; ichtyol globulus 6 g; kafalgol tbl; Kafalgol tbl forte; Kalmopyrin tbl; Dithescop I. inj. mite; Dithescop II. inj. forte; Nautisan supp. mite; Nescarbolax tbl; morphinum hydr. inj. 1%;

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morphinum hydr. inj. 2%; morphinum hydr. inj. 3%; morphinum hydr. inj. 4%; morphinum hydrochlor. inj. 2% c. atropinum fulfuricum 0.05% inj.; morphinum hydrochlor. inj. 2% c. atropinum suffuricum 0.1% inj.; natrium bromatum tbl; natrium chloratum inj. 0.85%; natrium chloratum inj. 10%; natrium citricum inj. 3.8%; natrium hydrocarbonicum tbl 1 g; ol. camphorat inj. 20%; phenamidum tbl 0.5 g; phenylum salicyl. tbl 0.5 g; scopolaminum hydrobromicum inj. 0.05%; scopolaminum hydrobromicum inj. 0.1%; Tannocarbon tbl; Tonogen sol. 0.10%; and Veropyron tbl.(2)

Also, camphor globulus 15 g; camphor globulus 25 g; caps. gelat. ol. ricini 5 gr; caps. gelat. ol. ricini 3 gr; Emplastrum diachylon Ph. Hg. IV.; Emplastrum diachylon comp. Ph. Hg. IV.; Emplastrum hydrargyri Ph. Hg. IV.; Emplastrum minii adustum; Emplastrum saponatum Ph. Hg. IV.; Emplastrum saponatum salicylatum Ph. Hg. IV.; pilulae ferri carbonici Ph. Hg. IV.; pilulae ferri jodati Ph. Hg. IV.; pilulae ferro arsenici FN.; pilulae kreosoti Ph. Hg. IV.; pilulae laxantes Ph. Hg. IV.; pilulae roborantes FN.; and sebum saliculatum Ph. Hg. IV.(3)

Dr Wander

The house of Dr Wander was founded in 1910 and originally made only dietary preparations (flour, etc.) for children. After World War I, the manufacture of pharmaceutical products was started; since then, the Theosan preparations have become world-famous. Synthetics were started in 1930, and the first product was Vestine, an azopyridine dye, which is used even today. The study of sulfonamides resulted in the production of Dicalmine which is used for rheumatism. In late years, the research laboratory has been experimenting with sympathomimetic substances (Sympathomine, Broncholysine) and in the related field of chemistry and biochemistry (methinonine, glutathion, ergosterone, etc.).

Under the Five-Year Plan, the factory is increasing the extraction of alkaloids from native plants (chelidonine, etc.). The installation of new machinery will triple production by the end of the plan.(1)

Dr Egger

When the house was founded in 1896, the number of products was very limited. Its well-equipped laboratories now produce a long list of very remarkable specialities. The main preparations are Revival (an arsenobenzol of high spiro-olcidal efficiency and low toxicity), Dynarsen (a compound of five-valent arsenic for treatment of all stages of syphilis), Eggosalil (an amide of salicylic acid), and Hydrocodine (a derivative of codeine, with multiple effects, for serious cases).

The Dr Egger plant also prepares products for radiology: Cholumbral (for cholecysticology), Litbumbrai and Neo-Renumbral (for retrograde and intravenous pyelography), etc., and also Afungil (antimycotic) and Relaxil (a synthetic relaxant for muscles, used in surgery).(1)

Magyar Pharma

This firm manufactures a long list of preparations used in human medicine, including Polybe (a mixture of B Vitamins) and Lostazote (an agent used to combat lymphogranulomatosis). The production of the firm covers the domestic needs and permits large export of Vitamin C and efficacious antisyphilitic drugs.(1)

The plant also produces pyramidon tbl 0.10 g and pyramidon tbl 0.30 g.(2)

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Phylaxia

Phylaxia is the name of the State Serotherapeutic Institute which was founded by the fusion of all serobacteriological laboratories and plants in the country, some of which have been working for over 40 years. Phylaxia produces all serobacteriological preparations which are employed in human and veterinary medicine. Many new preparations have been produced as the result of the exhaustive work of the research laboratory. The section for human medicine produces sera, vaccines, diagnostics, common lysates of bacteria, and also precipitated diphtheria anatoxin, Typhylax (precipitated antityphoid vaccine) precipitated tetanus anatoxin, and scarlet fever-whooping cough and diphtheria-whooping cough vaccines. For some time, Phylaxia has been producing Meinicke, Kahn, and Citichol antigens as well as an Anti-D serum (Anti-Rh₀) prepared from human blood to determine the Rh₀ factor.

The most important veterinary products are sera for fighting hog cholera and erysipelas, Carre disease in dogs, anthrax, poultry plague and cholera, sheep pox, rabies, and also produce bovine and poultry tuberculin.(1)

Alkaloida

Janos Kabay, a Hungarian pharmacist, succeeded in extracting raw morphine from poppy stems. His process was adopted by the Alkaloida Factory, established in 1927. From the outset, the factory was able to supply the domestic market with all needed alkaloids. The plant was enlarged in 1937. After this date, it was possible to export 90 percent of its production of crude morphine, pure morphine, hydrochloride of morphine, and sulfate of morphine; pure codeine, hydrochloride of codeine, and sulfate of codeine; pure ethylmorphine and hydrochloride of ethylmorphine; and pure diacetylmorphine and hydrochloride of diacetylmorphine. All products are tested several times in the laboratories of the plant. Alkaloida now exports to 24 countries. The factory follows minutely the dispositions of the Geneva Convention and the formulas of the pharmacopeia of the importing countries.(1)

In addition to the firms listed above, the following are also engaged in manufacturing pharmaceutical preparations.

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Products: Atropin sulf. inj. 0.05%; atropin sulf. inj. 0.1%; atropin sulf. tbl 1/3 mg; calcium lacticum tbl 0.25; carbo. med. tbl 0.25 g; Eucarbon tbl; Germicid kup; Hydrocodin tbl; Karil kup.; Karil tbl; Meristin tbl; Meristin kup.1 Lukulin dgr.; phenacetin tbl 0.5 g; theobromin jodeti drg.; and theobromin jodati c. papaverino drg.(2) The firm also manufactures Vermifuge candy.(3)

Medichemia

Products: Enterosolvens natr. sal. tbl 0.5 g.(2) Medichemia also manufactures chocolate vermifuge.(3)

Gyogyert

Products: Sulfoguanidin tbl 0.5 g.(2)

All Hungarian pharmaceutical factories check their products in their own laboratories before offering them for sale, and, in addition, the specialties are tested quantitatively and qualitatively by the Hungarian Institute of Public Hygiene. The institute also takes samples from the preparations which are on the market and tests them. The preparations are also checked continuously by a clinic.(1)

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SOURCES

1. Budapest, Bulletin de la Chambre de Commerce de Hongrie, Budapest, Jun 50 .
2. Budapest, Magyar Kozlony, 28 Oct 50
3. Budapest, Tervgazdasagi Ertesito, 3 Oct 50

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